

MUSABEKOV, Yu.S.

~~Ukrainian representative of the Butlerov school in chemistry.~~
Ukr.khim.shur. 19 no. 4:443-454 '53. (MLBA 8:2)
(Butlerov, Aleksandr Mikhailovich, 1828-1886)
(Alekseev, Petr Petrovich, 1840-1891)

MUSABEKOV, Yu.S.

Chemical work of I.M.Sechenov and his letters to A.M.Butlerov. Uspekhi
Khim. 22, 508-15 '53. (MLRA 6:4)
(CA 47 no.19:9681 '53)

LUK'YANOV, P.M. [author]; MUSABEKOV, Yu.S. [reviewer].

"History of chemical technology and chemical industry in Russia to the end of the XIX century, vol.3." P.M.Luk'ianov. Reviewed by Yu.S.Musabekov.
Zhur.prikl.khim. 26 no.8:895-896 Ag '53. (MLBA 6:8)
(Chemistry, Technical) (Chemical industries) (Luk'ianov, Pavel
Mitrofanovich, 1889-)

MUSABEKOV, Yu.S.

Little known manuscript of V.V.Markovnikov about A.M.Butlerov (author's
summary). Bnl.MOIP. Otd.geol. 28 no.4:104 '53. (MLRA 6:9)
(Butlerov, Aleksandr Mikhailovich, 1828-1886) (Markovnikov, V.V.)

FIGUROVSKIY, N.A.; MUSABEKOV, Yu.S.

L.N. Shishkov, outstanding Russian chemist. Trudy Inst. ist. est.
i tekhn. no. 2: 46-66 '54. (MLRA 8:9)
(Shishkov, Leon Nikolaevich, 1830-1930)

MUSABEKOV, Yu.S.

New materials on the life and activity of Iu.V. Lermontova.

Trudy Inst. ist. est. i tekhn. no.2:145-157 '54.

(MLRA 8:9)

(Lermontova, Iuliia Vsevolodovna, 1846-1919)

MUSABEKOV, Yu.S.

M.IA.Kittary, professor of chemical technology. Trudy po ist.
tekhn. no.10:57-70 '54. (MLRA 8:3)
(Kittary, Modest Iakovlevich, 1824-1880)

MUSABEKOV, YU.S.

SHCHENNIKOVA, M.K. (Gor'kiy); KORSHUNOV, I.A. (Gor'kiy)

Letter to the editor. Remarks to the article of I.U.S. Musabekov on
"Chemical works of I.M. Sechenov and his letters to Butlerov."

Usp.khim. 23 no.4:527-528 '54. (MLRA 7:7)

(Musabekov, YU.S.) (Sechenov, Ivan Mikhailovich, 1829-1905)

MUSABEKOV, Yusuf Suleymanovich

MUSABEKOV, Yusuf Suleymanovich (Yaroslav Technological Inst) - Academic degree of Doctor of Chemical Sciences, Based on his defense, 7 June 1955, in the Council of the Inst of History of Natural Sci and Technics, Acad Sci USSR, of his dissertation entitled: "Main Trends of Development of Organic Chemistry in Russia (Chemistry of Hydrocarbons, of Oxygen and Nitrogen containing Substances.)" for the Academic Degree of Doctor of Sciences

SO: Byulleten' Ministerstva Vysshego Obrazovaniya SSSR, List No. 3, 4 February 1956
Decisions of the Higher Certification Commission Concerning Academic Degrees
and Titles.

JPRS/NY 554

MUSABEKOV, Yu.S.

New material on A.M. Butlerov. Trudy Inst.ist.est.i tekhn. vol.6:
229-242 '55. (MLBA 9:5)
(Butlerov, Aleksandr Mikhailovich, 1828-1886)

MUSABEKOV, Yu.S.

New material on V.V. Markovnikov on the 50th anniversary of his death. Trudy Inst.ist.est.i tekhn. vol.6:307-317 '55. (MLRA 9:5)
(Markovnikov, Vladimir Vasil'evich 1838-1904)

MUSABEKOV, Yu. S.

USSR / General Problems - Methodology. History. Scientific Institutions & Conferences. Teaching. Problems of Bibliography and Scientific Documentation. 1-1

Abs Jour : Referat Zhur - Khimiya, No 6, 1957, 18044

Author : Musabekov, Yu. S.

Inst : Not given

Title : Beginning and Development of the Synthetic Trend in Organic Chemistry.

Orig Pub : Uch. Zapiski of Yaroslavl. Technol. in-ta, 1956, I, 27-5

Abstract : No abstract.

Card 1/1

MUSDB 80501 YU.S

101. CHROMIOMETRIC OXIDATION OF WOOD AND COALS. Masabekov, Yu. S. (Uchen. Zap. Yaroslav. Tekh. Inst. (Sci. Mem. Yaroslav Tech. Inst.), 1956, vol. 1, 85-91; abstr. in Ref. Zh. Khim. (Ref. J. Chem., Moscow), 1957, (11), 38615). The oxidation of wood, charcoal, coal, coke and peat by chromium mixtures was examined. The organic mass of wood and charcoal is almost completely oxidized to the final products of combustion if it is heated to 1000°C for 2 h with an excess of concentrated chromium mixture (0.1 g coal, 2 ml of a 50% solution of chromium trioxide and 10 ml of sulphuric acid). The method can be used for determining the calorific value of these fuels with an accuracy of 5%. The organic mass of coals and peat is only 10% oxidized to the final combustion products; the remainder is converted to mallic acid. The accuracy of determination of calorific values of coals by this method is about 7%. Oxidation of coals with the chromium mixture may be used for the production of mallic acid. The conversion of ammonium mellinate to mallic acid and then to mallic anhydride was examined, and the resistance of these substances to the oxidizing action of the chromium mixture was noted, also the great thermal stability of mallic anhydride.

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MUSABEKOV, Yu.S.; RAUNOV, A.M.

A.M. Butlerov's last assistant, B.F. Rizza and his research work. Vop.
ist. est. 1 tekhn. no. 2: 264-269 '56. (MIRA 10:1)
(Rizza, Benvenuto Frantsevich, 1858-1886)

MUSABEKOV, YU. S.

USSR/General Problems.

A-

Abs Jour : Ref Zhur - Khimiya, No 10, 1957, 33392

Author : Musabekov, Yu.S.

Inst :

Title : F.M. Flavitski and his Work on Hydrocarbons.

Orig Pub : Tr. in-ta istoriyi i yestestvozn. i tekhn. AN SSSR, 1956,
12, 258-284.

Abstract : The material from the archives is utilized.

Bibliography with 37 references.

Card 1/1

МУСАБЕКОВ, Ю. С.

3-2-27/32

AUTHOR: Musabekov, Yu.S., Professor, Doctor of Chemical Sciences

TITLE: Prominent Pedagogues of the Nation's Schools of Higher Education
(Vydayushchiyesya pedagogi otechestvennoy vysshey shkoly)
Dmitriy Ivanovich Mendeleev

PERIODICAL: Vestnik vysshey shkoly, Feb 1957, # 2, p 72-78 (USSR)

ABSTRACT: The lengthy article represents a biography of the well known Russian naturalist Dmitriy Ivanovich Mendeleev written on the occasion of the 50th anniversary of his death. It states that Mendeleev was not only a chemist, but also one of the greatest encyclopedists. His works refer to chemo-physics, chemistry, physics, metrology, meteorology, geography, aeronautics, chemical technology and economics. The greater part of the article is devoted to the pedagogical work of Mendeleev. The article gives 10 Slavic references.

ASSOCIATION: Yaroslav Technological Institute (Yaroslavskiy tekhnologicheskii institut)

AVAILABLE: Library of Congress

Card 1/1

1953-1954, Y. S.

1. *Alkaloids* (alkaloids) (SILB 12:1)
2. *Alkaloids* (alkaloids) (SILB 12:1)
3. *Alkaloids* (alkaloids) (SILB 12:1)

MUSABEKOV, YU. S.

Marselen Bertelg (1827-1967). Yu. S. Musabekov.
Kazn. Nauka i Prom. 2, 378-381 (1987).—A biography with
portrait and summary of scientific work on occasion of
60th anniversary of his death. 1. Baku.

MUSABEKOV, Yu.S.

Historical evaluation of Wöhler's synthesis. Vop.ist.est. 1 tekhn.
no.5:66-73 '57. (MIRA 11:2)

(Chemistry, Organic--Synthesis)
(Wöhler, Friedrich, 1800-1882)

А. С. Б. 1957, 10, 85-89

3-10-27/30

AUTHOR: Musabekov, Yu.S., Professor, Doctor of Chemical Sciences

TITLE: Nikolay Nikolayevich Zinin

PERIODICAL: Vestnik Vysshey Shkoly, 1957, # 10, pp 85-89 (USSR)

ABSTRACT: The article constitutes a biography of N.N. Zinin, a famous chemist of the 19th century (1812 - 1880), who worked on benzoic aldehydes, invented the famous "Zinin reaction", did research on the transformation of introbenzol into anilin. Zinin realized the benzoin syntheses and considered the main task of chemistry to be investigations of the dependence of the quality of substances on their composition, and the investigation of their transformation.

Zinin published 50 works in French and German. The first publication in Russian was issued in 1943. Zinin was also a very talented lecturer and teacher. He was one of the first Russian scientists who admitted women to his laboratory. His most famous pupils were A.M. Butlerov, A.P. Borodin, N.N. Beketov, A.N. Engelgardt, N.N. Sokolov, L.N. Shishkov, P.P. Alekseyev.

Card 1/2

There are 10 references of which 9 are Russian and 1 German.

Nikolay Nikolayevich Zinin

3-10-27/30

ASSOCIATION: The Yaroslavl' Technological Institute (Yaroslavskiy tekhnologicheskiy institut)

AVAILABLE: Library of Congress

Card 2/2

MUSABEKOV, Yu.S., professor.

International relations of Russian chemists. Priroda 46 no.3:74-76
Nr '57. (WIRA 10:3)

1. Yaroslavskiy tekhnologicheskiy institut.
(Chemists)

MUSABEKOV, Yusuf Suleymanovich,; FIGUROVSKIY, N.A., otv. red.; PURMAL',
A.P., red. izd-va.; VOLODINA, Ye.I., red. izd-va.; PRUSAKOVA,
T.A., tekhn. red.

[History of the organic synthesis in Russia] Istorija organicheskogo
sinteza v Rossii. Moskva, Izd-vo Akad. nauk SSSR, 1958. 284 p.

(MIRA 11:11)

(Chemistry, Organic--Synthesis)

MUSABEKOV, Yu.S.

Origin and development of the concept of organic dye structure.
Trudy inst. ist. est. 1 tekhn. 18:357-384 '58. (MIRA 11:10)
(Dyes and dyeing)

MUSABEKOV, Yu.S.

Chemistry in Arab countries and its sources. Iz ist. nauki i tekhn.
v stran. Vost. no.1:437-453 '60. (MLRA 14:8)
(Arab countries--Chemistry)

MUSABEKOV, Yu.S.

F. Wöhler and the importance of his work in the development of chemistry. Trudy Inst. ist. i tekhn. 30:71-96 '60.

(MIRA 13:8)

(Wöhler, Friedrich, 1800-1882)

MUSABEKOV, Yu.S. (Yaroslavl')

History of academic contacts between Russian and French chemists.
Vop.ist.est. i tekhn. no.11:88-91 '61. (MIRA 14:11)
(Science--International cooperation)
(Chemistry)

MUSABEKOV, Yu.S.; KOSHKIN, L.V.

Origin and development of the theory of radicals. Trudy Inst.
ist.est.i tekhn. 35:245-292 '61. (MIRA 14:9)
(Radicals (Chemistry))

MUSABEKOV, Yu.S.

Some methodological and organizational problems in the development of chemistry. Khim. i khim. tekhn. 1:3-15 '62.

Development of the scientific heritage of A.M. Butlerov by the Soviet chemists. Ibid.:17-31 (MIRA 17:2)

MUSABEKOV, Yusuf Suleymanovich; SOLOV'YEV, Yu.I., otv. red.;

TARASENKO, V.M., red. izd-va; MAKOGONOVA, I.A., tekhn. red.

[Justus Liebig, 1803-1873] Iustus Libikh, 1803-1873. Moskva,
Izd-vo Akad. nauk SSSR, 1962. 213 p. (MIRA 15:2)
(Liebig, Justus, ~~Freiherr~~ von, 1803-1873)

CHERNYAKOVSKIY, F.P.; MACHTINA, K.A.; MUSABEKOV, Yu.S.

Using the magnetic method for investigating the properties of
the crystals of dyes from the malachite green group. Khim.
i khim. tekhn. 1:247-254 '62. (MIRA 17:2)

BASAYEV, R.M.; MACHTINA, K.A.; CHERNYAKOVSKIY, F.P.; MUSABEKOV, Yu.S.

Electronic paramagnetic resonance of alizarin dyes.

Khim. i khim. tekhn. 1:259-261 '62.

(MIRA 17:2)

KOSHKIN, L.V.; MUSABEKOV, Yu.S.

Development of the science of biradicals. Khim. i khim. tekhn.
1:263-282 '62.
(MIRA 17:2)

VORONENKOV, V.V.; MUSABEKOV, Yu.S.

Development of the conformational analysis of terpenes. Khim.
i khim. tekhn. 1:283-301 '62. (MIRA 17:2)

CHERNYAKOVSKIY, F.P.; MACHTINA, K.A.; MUSABEKOV, Yu.S.

Magnetochemical study of the structure of certain multinuclear
aromatic systems. Zhur. fiz. khim. 36 no.4:865-868 Ap '62.
(MIRA 15:6)

1. Yaroslavskiy tekhnologicheskii institut.
(Magnetochemistry) (Aromatic compounds)

KOSHKIN, L.V.; MUSABEKOV, Yu.S.

Evolution of the methods for studying free organic radicals.
Trudy Inst.ist.est.i tekhn. 39:141-175 '62. (MIRA 16:2)
(Radicals (Chemistry))

VORONENKOV, V.V.; MUSABEKOV, Yu.S.

Main stages and trends in the development of terpene chemistry
in Russia. Trudy Inst.ist.est.i tekhn. 39:195-211 '62.

(Terpenes)

(MIRA 16:2)

KOSHKIN, L.V.; MUSABEKOV, Yu.S.

Characteristic features of the conjugation of the electron pair
of nitrogen. Zhur.ob.khim. 33 no.12:4030-4032 v '63. (MIRA 17:3)

MUSABEKOV, Yusuf Suleymangovich

[V.I.Lenin and the development of chemistry V.I.Lenin
i razvitie khimii. IAroslavl', Verkhne-Volzhscoe
knizhnoe izd-vo, 1964. 38 p. (MIRA 18:4)

MUSABEKOV, Yu.S. (Yaroslavl'); VORONENKOV, V.V. (Yaroslavl')

Iuliia Vsevolodovna Lermontova, 1846-1919. Izv. vys. ucheb.
sav.; neft' i gaz. 7 no.10:88, 92, 112 '64. (MIRA 18:2)

MUSABEKOV, Yusuf Suleymanovich; BAFUSHKINA, S.I., red.

[Marcellin Berthelot 1827-1907] Marselen Bertlo 1827-1907.
Moskva, Nauka, 1965. 229 p. (MIRA 18:7)

MUSABEKOV, Yu.S., prof. (Yaroslavl')

Anniversary of benzene; the 100th anniversary of its structural
formula. Priroda 54 no.12:103-109 D '65.

(MIRA 18:12)

Musabekova, E.S.

. USSR/Soil Science. Physical and Chemical Properties of Soils. I-2

Abs Jour: Referat.Zh.Biol., No. 10, 25 Aug, 1957, 69014

Author : Musabekova, E.S.

Inst :

Title : Forms of Phosphoric Acid in the main Soil Varieties of the Shirvansk Steppe.

Orig Pub: Tr. In-ta pochvoved. i agrokhimiy AN AzSSR, 1955, 7, 129-132

Abstract: A study was conducted on the phosphoric acid content in grey soils, grey-meadow weakly-humus soils, grey-meadow medium-humus soils, and grey-brown soils of the Shirvansk steppe. These soils are noted for their insignificant content of assimilable forms of phosphoric acid. The greater part of the gross P of grey soils is contained in a form inaccessible to plants. In grey-meadow and meadow soils the content of soluble forms of phosphates is somewhat higher. Some measures for increasing the content of active forms of phos-

Card 1/2

- 19 -

MUSABEKOVA, E.S.; VERDIYEV, K.Z.

Effect of the phosphorus and nitrogen ratio in the soil on the
cotton yield. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no.3:
67-71 '63. (MIRA 16:6)

(Azerbaijan--Cotton--Fertilizers and manures)

(Plants, Effect of phosphorus on)

(Plants, Effect of nitrogen on)

MUSABEKOVA, E.S.

[illegible]

Some forms of the phosphates of Chestnut soils in the Aras River zone and the effect of absorbed bases on their changes. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no.2:85-91 '63. (MIRA 17:5)

MUSABEKOVA, E.S.

Absorption capacity of soil types of Azerbaijan as related to
phosphate ion. Izv. AN Azerb. SSR. Ser. biol. nauk no.3:82-87
'65. (MIRA 18:10)

MARGARITOVA, M.F.; MUSABEKOVA, I.Yu.

Interaction of benzoyl peroxide and triethylamine, and polymerization
in the presence of this system. Vysokom.soed. 3 no.4:530-535 Ap
'61. (MIRA 14:4)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni M.V.
Lomonosova.

(Benzoyl peroxide) (Triethylamine) (Polymerization)

MUSABEYOVA, L. N.

"The Effect of Late Toxicoses on the Condition of the New Born Infant."
Gand Med Sci, First Moscow Order of Lenin Medical Inst, Moscow, 1955.
(Kl, No 9, Feb 55)

SO: Sum. No. 631, 26 Aug 55 - Survey of Scientific and Technical Dissertations
Defended at USSR Higher Educational Institutions (14)

MUSABEKOVA, Umisa Suleyma Kuzy

see MUSABEKOVA, U. Kh.

MUSABEYLI, Prof. U. Kh.

Mbr., Optical Clinic, Azerbaydzhan Med. Inst. Baku.

-c1948-.

"Infection of the Central Vesicle of the Retina Due
to Dypertonia," Vest. Oftalmol., 27, No. 4, 1948;

"Changes in the Vitreous Body in Hypertensive Retini-
tis (Angioretinopathy)," ibid.

MUSABEYLI, U.

[Diseases of the eye as a complication of pregnancy; clinical aspects, pathogenesis, and treatment] Zabolevaniia glaz pri patologii beremennosti; klinika, patogenez i lechenie. Baku, Azerbaydzhanskoe Gos. izd-vo, 1956. 178 p. (MLRA 10:3)

(EYE—DISEASES AND DEFECTS)

- PTA MEDICA Sec.12 Vol.12/2 Ophthalmology Feb. 58
MUSABEYLI, U.Kh.
290. SOME BIOMICROSCOPICAL EYE-CHANGES IN GLAUCOMA (Russian text).
Musabeyli U. Kh. SBORN. TRUD. AZERBAIJIAN. OFTAL. INST. 1956, 1
(31-36)

The data of biomicroscopic investigation of the anterior ciliary vessels and the vitreous body in 43 eyes affected by glaucoma are reported. In congestive glaucoma a large number of dilated, tortuous vessels of irregular calibre surrounding the limbus are seen. Some of the vascular loops penetrate into the translucent zone of the cornea. At the points of exit of the large ciliary veins ampulla-like dilatations and sacciform swelling of the bulbar conjunctiva, as well as agglomerations of loops, unevenness of the vessels diameter and formation of balls are noted. There is no parallelism between the lowering of the intraocular tension and the vascular picture of the post-operative scar. The changes in the vitreous body, both in the simple and congestive form of glaucoma in different stages, were apparent in

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13 eyes, taking the form of sineresis (detachment of the vitreous body from the hyaloid membrane) and flocculation (co-adhering particles are seen as flakes in vitreous). The author regards those changes as secondary, caused by disturbances in the permeability of the ocular vessel walls. (S)

MUSABEYLI, U.

EXCERPTA MEDICA Sec.12 Vol.12/4 Ophthalmology April 58

607. EYE DISEASES IN ABNORMAL PREGNANCY (Russian text) - Musabeyli U. Baku - BAKU 1956 (179 pages) Tables 13 illus. 16

This work is based on a wide clinical experience and on bibliographical data. Out of 337 observed women 115 showed various disorders of the visual analyzer. In the hypertensive syndrome of pregnancy the vessels of the ocular fundi commonly showed the changes of arteriosclerosis, retinitis, and neuroretinitis. Functional vascular changes, rarity of acute disorders of retinal blood circulation, and sclerosis of retinal vessels were typical in toxemia of pregnancy. Detachment of the retina was usually bilateral and was a result of the hypertensive fundal changes associated with nephropathy or eclampsia. Ablatio retinae was considered as an indication for interruption of pregnancy. Hypertension and vascular disorders played a paramount role in the pathogenesis of eye diseases during abnormal pregnancy. Involvement of the optic nerves and optic tracts and transitory amaurosis in pregnancy are discussed in detail. Vascular retinal disorders, bilateral retinal detachment, and pathological involvement of the optic nerves and tracts occurred especially frequently in young primiparae in the 9th month of pregnancy. Premature birth and stillbirth was seen more often in women with pathological retinal involvement (retinitis, detachment). Detailed descriptions are given of methods of treatment of eye complications in abnormal pregnancy, and the course of some eye diseases during pregnancy. References 133

Chentsova - Moscow (S)

MUSABEYLI, U.Kh., prof.

First Afro-Asiatic Congress of Ophthalmologists. Azerb.med.shur.
no.7:109-114 J1 '58 (MIRA 11:8)

1. Zav.kafedroy glaznykh bolezney Azerbaydzhanskogo meditsinskogo
instituta im. N.Narimanova.
(CAIRO-OPHTHALMOLOGY--CONGRESSES)

MUSABEYLI, U.Mh., ADIGEZAIOVA-POLCHAYEVA, K.A.

Significance of accommodation for distant vision in myopia.
Probl.fiziol.opt. 12:349-357 '58 (MIRA 11:6)

1. Azerbaydzhanskiy gosudarstvennyy nauchno-issledovatel'skiy oftalmologicheskiy institut, Baku.
(MYOPIA)
(EYE--ACCOMMODATION AND REFRACTION)

MUSABEYLI, U.S.,prof. (Baku)

Achievements of ophthalmology in the Azerbaidzhan S.S.R. under Soviet
rule. Vest. oft. 71 no.2:46-50 Mr-Apr '58. (MIRA 11:4)
(OPHTHALMOLOGY
in Russia)

YEROSHEVSKIY, T.I., prof. (Kuybyshev), MUSABBYLI, U.S., prof. (Baku)

First Afro-Asiatic Congress of Ophthalmologists, Cairo, March 1958.
Vest.oft. 71 no.4:51-60 J1-Ag '58 (MIRA 11:8)
(CAIRO--OPHTHALMOLOGY--CONGRESSES)

MUSABEYLI, U.Kh., prof.

Impressions of the First Maghreb Ophthalmological Congress. Azerb.
med.zhur. no.11:92-96 N '59. (MIRA 13:4)
(OPHTHALMOLOGY--CONGRESSES)

MUSABEYLI, U. Kh.

Achievements of ophthalmology in Azerbaijan under Soviet rule.
Azerb. med. zhur. no.4:55-59 Ap '60. (MIRA 14:5)
(AZERBAIJAN—OPHTHALMOLOGY)

MUSABEYLI, U.Kh., prof.; ADIGEZALOVA-POLCHAYEVA, K.A., doktor med.nauk

Oscillations of refraction in accommodation to distance. Oft. zhur.
15 no.8:480-483 '60. (MIRA 14:1)

1. Iz kafedry glazynky bolezney Azervaydzhanskogo meditsinskogo
instituta.

(~~EYE~~-ACCOMODATION AND REFRACTION)

MUSABEYLI, U.S.; NESRULLAYEVA, G.M.

Results of modified iridencleisis in various forms of
glaucoma. Azerb. med. zhur. no. 2:55-59 F '61. (MIRA 14:2)
(IRIS(EYE)—SURGERY) (GLAUCOMA)

MUSABEYLI, U. Kh.

see MUSABEKOVA, U. Kh.

MUSAREYI, H.S., prof.; VASIL'Yeva, O.M., assistant

Compound therapy in atrophy of the optic nerves. Azerb. med.
zhur. 42 no.3:10-19 Apr '65. (MEDA 18,6)

1. Iz kafedry glaznykh bolezney (zav.-prof. H.S. Musarey)
Azerbaydzhanskogo gosudarstvennogo meditsinskogo instituta
imeni Narimanova (rektor - prof. Kh.A. Gasanov).

ABRAMOV, N.; GOKHBERG, S.; MUSADZHANOV, M.

Rolling stock for the transportation of cotton wool without
containers. Avt. transp. 42 no.10:42-43 0 '64.

(MIRA 17:11)

MUSABLYAN, E.S., inzh.

Adjustment of the electromagnetic voltage corrector.

Elek. sta. 30 no.3:86-87 Mr '59. (MIRA 12:5)

(Electric generators--Equipment and supplies)

MUSAELIAN, E.S., inzh.

Adjustment of automatic control devices operating with storage
battery systems. Elek.sta. 32 no.8:86-88 Ag '61. (MIRA 14:10)
(Electric power plants--Electric equipment)

MUSAEVIAN, Erik Surenovich; GRUDINSKIY, P.G., red.; LARIONOV, G.Ye.,
tekhn.red.

[Testing and checking operations in the installation of turbo-
generators; stator and rotor windings and the exciter] Proverki
i ispytaniia pri montazhe turbogeneratorov; obmotki statora i
rotora, возбuditel'. Moskva, Gos.energ.izd-vo, 1962. 79 p.
(Biblioteka elektromontera, no.66).

(Turbogenerators)

(MIRA 15:5)

GOMBERG, Aleksandr Yefimovich; MUSAELIAN, Erik Surenovich; LYAUER,
S.G., red.; BORUNOV, N.I., tekhn.red.

[Checking and testing of turbogenerators during their installation; secondary systems] Proverki i ispytaniia turbogeneratorov v protsesse montazha; vtorichnye ustroistva. Moskva, Gosenergoizdat, 1963. 87 p. (MIRA 17:3)

MUSAEKYAN, L.S.

Treatment of obliterating endarteritis and trophic ulcers of the shin by subcutaneous injection of oxygen in a polyclinic. Sbor. nauch.-prak.rab.Poliklin.im.F.E.Dzerzh. no.2:129-144 '61.

(MIRA 16:4)

(ARTERIES—DISEASES) (LEG—ULCERS) (OXYGEN THERAPY)

UNANOV, Boris Tamevosovich; MUSARLYANTS, A.M., redaktor; GONCHAROV, I.A.,
tekhnicheskiiy redaktor

[High-speed metal cutting with large feed] Opyt skorostnogo rezaniia
metallov pri bol'shikh podachakh. Baku, Aznefteizdat, 1955. 44 p.
(MLRA 9:12)

1. Master-novator tresta Azneftemash (for Unanov)
(Metal cutting)

MUSAEI'YANTS, A.M.

Screw thread cutting in tool joints. Za tekhn. prog. 3 no. 10:
24-28 0 '63. (MIRA 16:12)

1. Azerbaydzhanskiy nauchno-issledovatel'skiy institut neftyanogo
mashinostroyeniya.

SULTANOV, M.Kh.; SKORNYAKOV, M.V.; MUSABLYANTS, R.N.; BAYTUGANTI, Ye.G.

Safety problems in using casing lines. Trudy VNIITB no.11:3-12
'59. (MIRA 15:5)

(Oil wells--Equipment and supplies)

MUSAE LYANTS, R.N.

Defectoscope for casing lines used in petroleum production.
Trudy VNIITB no. 11:63-65 '59. (MIRA 15:5)
(Oil well casing)

ZIMONJIC, B., prof., dr.; FAJGELJ, A., dr.; BOKONJIC, R., dr.;
MUTEVELIC, M., dr.; MUSAPIJA, A., dr.

Our results with the use of radioactive I-131 in the treatment
of hyperthyroidism. Med. glas. 17 no.3/4:106-108 Mr-Apr '63.

1. Interna klinika (I) Medicinskog fakulteta u Sarajevu -
Punkt za primjenu radiaktivnih izotopa (Sef: prof. dr B.
Zimonjic).

(IODINE ISOTOPES, THERAPEUTIC)
(HYPERTHYROIDISM)

S

OBRADOV, S., doc. dr.; MUSAFIJA, A., dr.; DUGUMOVIC, Z., dr.

Thalassemia minor Hb-S. Based on cases in one family. Med.
arh. 18 no.6:47-56 N-D'64.

1. Interna klinika Medicinskog fakulteta u Sarajevu (Sef:
Prof. dr. Bogdan Zimonjic).

MUSAFIROV, B.M.

Introductory address. Sbor. rab. po ikht. i gidrobiol. no.3:5-7
'61. (MIRA 15:1)

1. Sekretar' Aral'skogo rayonnogo komiteta Kommunisticheskoy partii
Kazakhstana. (Aral Sea--Fisheries--Research)

KRUGLOVA, Ye.K.; MUSAILOV, O.S.

Photocolorimetric determination of cobalt in soils and plants using
 β -nitroso- α -naphthol. Uzb. khim. zhur. 8 no.6:13-15 '64. (MIRA 1964)

1. Tashkentskiy politekhnicheskiy institut.

MUSAKHANOV, M.

One of the most important national objectives. Sov. profsoiuzy 16
no.18:6-9 S '60. (MIRA 13:10)

1. Sekretar' Vsesoyuznogo tsentral'nyy sovets profsoyuzov.
(Retail trade)

MUSAKHANOV, M.

Control averts and educates. Sov. profsoiuzy 20 no.1:4-7 Ja '64.
(MIRA 17:2)

1. Sekretar' Tsentral'nogo komiteta Kommunisticheskoy partii Uzbekistana, predsedatel' Komiteta partiyno-gosudarstvennogo kontrolya Tsentral'nogo komiteta Kommunisticheskoy partii Uzbekistana i Soveta Ministrov Uzbekskoy SSR.

MUSAKHANYAN, G. A.

"Certain Aminoamides of Para-Alkoxybenzoic Acid (New Antimalarials)." Cand Chem Sci, Chemical Inst, Acad Sci Armenian SSR, Yerevan, 1954. (KL, No 8, Feb 55)

SO: Sum. No. 631, 26 Aug 55-Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (14)

VARTANYAN, S.A.; MATSOYAN, S.G.; MUSAKHANYAN, G.A.

Isomerization of 1-dialkylamine-2, 4 diene systems. Izv. AN Arm.
SSR. Ser. FIZMATH Nauk 9 no.10:29-35 '56. (MLHA 10:4)

1. Khimicheskiy institut AN Arayanskey SSR.
(Isomerisation)

VARTANYAN, S.A.; PIRENYAN, S.K.; MUSAKHANYAN, G.A.

Mechanism of acetylene polymerization. Dokl. AN Arm. SSR 27
no.2:81-85 '58. (MIRA 11:10)

1. Khimicheskiy institut AN Armyanskoy SSR. Predstavlene V.M.
Tarayan.
(Acetylene) (Polymerization)

87227

S/171/60/013/001/002/005
E142/E465

15,8220

2109,2209

AUTHORS: Vartanyan, S.A., Musakhanyan, G.A., Shagbatyan, Sh.L.
and Ordyan, M.B.

TITLE: The Synthesis of New Plasticizers Based on
1,3-Dichloro-2-butene

PERIODICAL: Izvestiya Akademii nauk Armyanskoy SSR, Khimicheskiye
nauki, 1960, Vol.13, No.1, pp.31-35

TEXT: The dichloro-crotyl ester was prepared by direct synthesis
from 1,3-dichloro-2-butene by heating the starting material with
the sodium salt of phthalic acid in the presence of a catalyst
(pyridine). A mixture of stereoisomers of di- γ -chloro-crotyl
phthalates is formed (yield = 70%). The crystalline form
(m.p. = 43°C) is separated, in its pure form, by crystallizing the
same from benzene, the liquid isomer (b.p. = 186 to 188°C at 2 mm,
 n_D^{20} = 1.5355) is obtained from the mother liquor by vacuum
distillation. Earlier investigations have shown that
1,3-dichloro-2-butene and compounds containing the chlorocrotyl
residue, exist in two stereoisomeric forms. Experimental results
indicate that the crystalline as well as the liquid isomers can be
used as plasticizers instead of the widely utilized dibutyl
Card 1/2

87227

S/171/60/013/001/002/005
E142/E465

The Synthesis of New Plasticizers Based on 1,3-Dichloro-2-butene

phthalate. Results of tests, carried out on polyvinyl chloride, when using the above described plasticizer, are given in a table. Mixed esters of phthalic acid were also prepared by heating phthalic anhydride with butyl, hexyl, heptyl and octyl alcohol and subsequent addition of γ -chlorocrotyl alcohol and toluene sulphonic acid as catalyst. The freezing points of the individual plasticizers are of especial importance during the preparation of frost-resistant synthetic materials. it should be noted that the synthesized γ -chlorocrotyl ester of salicylic acid has a freezing point of -32°C . Details of the preparation and analytical data of the composition of the prepared esters are given. There are 2 tables and 3 Soviet references.

ASSOCIATION: Institut organicheskoy khimii AN ArmSSR
(Institute of Organic Chemistry, AN ArmSSR)

SUBMITTED: August 7, 1959

Card 2/2

VARTANYAN, S.A.; MUSAKHANYAN, G.A.; OGANOVA, L.V.

Chemistry of allyl chlorides. Report No.1: Synthesis of 1-nitrilo-
5-alkoxy-2-penten-3-ols. Izv. AN Arm.SSR. Khim. nauki 13 no. 5:347-350
'60. (MIRA 14:2)

1. Institut organicheskoy khimii AN ArmSSR.
(Pentene)

VARTANYAN, S.A.; MUSAKHANYAN, G.A.; OGANOVA, L.V.

Chemistry of allyl chlorides. Report No.3: Synthesis of
alkoxy acids and their esters. Izv.AN Arm.SSR.Khim.nauki 14
no.4:337-342 '61. (MIRA 14:10)

1. Institut organicheskoy khimii AN Armyanskoy SSR.
(Allyl compounds)

MI. AKHANYAN, G. A

46

PHASE I BOOK EXPLOITATION

SOV/6195

Nauchnaya konferentsiya institutov khimii Akademiy nauk Azerbaydshanskoy, Armyanskoy i Gruzinskoy SSR. Yerevan, 1957.

Materialy nauchnoy konferentsii institutov khimii Akademiy nauk Azerbaydzhanskoy, Armyanskoy i Gruzinskoy SSR (Materials of the Scientific Conference of the Chemical Institutes of the Academies of Sciences of the Azerbaydzhani, Armenian, and Georgian SSR) Yerevan, Izd-vo AN Armyanskoy SSR, 1962. 396 p. 1100 copies printed.

Sponsoring Agency: Akademiya nauk Armyanskoy SSR. Institut organicheskoy khimii.

Resp. Ed.: L. Ye. Ter-Minasyan; Ed. of Publishing House: A. G. Silkuni; Tech. Ed.: G. S. Sarkisyan.

PURPOSE: This book is intended for chemists and chemical engineers, and may be useful to graduate students engaged in chemical research.

COVERAGE: The book contains the results of research in physical, inorganic, organic, and analytical chemistry, and in chemical engineering, presented at the Scientific Conference held in Yerevan, 20 through 23 November 1957. Three reports of particular interest are reviewed below. No personalities are mentioned. References accompany individual articles.

Materials of the Scientific Conference (Cont.) 307/6195

Vartanyan, S. A., S. K. Pirenyan, and G. A. Musakhanyan.
Polymerization and Reaction Mechanism of Acetylene in Vinyl
Acetylene 192

Mamedov, Shchamkhal, and A. Rzayev. Investigation of Simple
Glycol Esters and Their Derivatives: Synthesis of Simple
Ester Derivatives of Methylene Glycol 223

Azatyany, V. D. Synthesis and Conversion of Cyclooctotetraene 241

Lagidze, R. M. Investigation of the Condensation Reaction of
Acetic Esters of 1,3- and 1,4-Butanediols and γ -Acetylenic
Glycols With Aromatic Hydrocarbons in the Presence of
Anhydrous Aluminum Chloride 252

Sadykh-Zade, S. I. Direct and Organometallic Synthesis of
Organosilicon Compounds With Functional Groups. (Institut
khimii, Akademiya nauk Azerbaydzhanskoy SSR) 279

An industrial method of synthesizing organosilicon compounds

Card 5/11

2/2

VARTANYAN, S.A.; MUDAKHANYAN, G.A.; AVETIAN, L.O.

Chemistry of vinylacetylene. Part 47. Hydrochlorination of
methylethylvinylethynylcarbinol, methylethylvinylethynylchloro-
methane, and 5-methyl-1,5-heptadien-3-yne. Izv. AN Arm. SSR.
Khim.nauki 17 no. 2:164-172 '64. (MIRA 17:6)

1. Institut organicheskoy khimii AN Armyanskoy SSR.

VARTANYAN, S.A.; BADANYAN, Sh.O.; MUSAKHANYAN, G.A.

Chemistry of vinylacetylene. Report No.38: Hydrochlorination of vinylisopropenylacetylene, dimethylvinylethynylcarbinol, and dimethylvinylthynylchloromethane in the presence of various catalysts. Izv. AN Arm.SSR. Khim. nauki 16 no.1:19-29 '63
(MIRA 17:8)

1. Institut organicheskoy khimii AN Armyanskoy SSR.

MISAKHRANOV, V.V., inzh.

Inspecting engineering structures. Avt.dor. 25 no.7:22-23
Л '62. (MIRA 15:8)
(Road construction)

MUSAKHRANOV, V.V., inzh.

Posters for prestressed concrete constructions. Avt.dor. 25
no.12:4 of cover D '62. (MIRA 16:2)
(Prestressed concrete construction)

L 34473-11 EWP(J) NW/JN/PV

ACC NR: AP6026204

SOURCE CODE: GE/0070/66/002/001/0023/0032

AUTHOR: Tupitsyn, I. F.; Semenova, N. K.; Zatsepina, N. N.; Musakin, A. A. 4/5

ORG: Institute for Applied Chemistry, Leningrad 2

TITLE: Basic exchange hydrogen reaction of some nitrous heterocycles in liquid ammonia: kinetics, relation with electron structure, mechanism [This paper was presented at the 3rd Conference on Stable Isotopes held in Leipzig in October 1963.]

SOURCE: Isotopenpraxis, v. 2, no. 1, 1966, 23-32

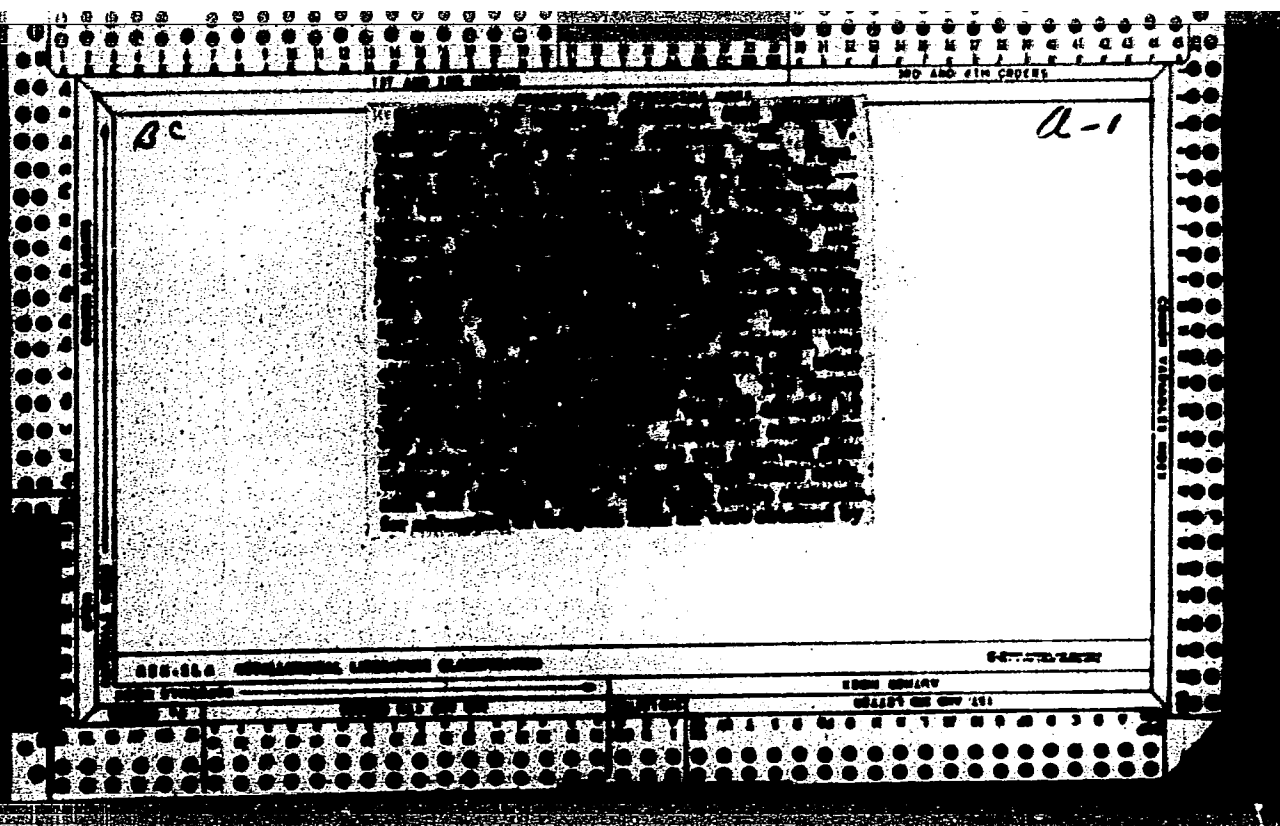
TOPIC TAGS: pyridine, heterocyclic base compound, chemical kinetics, ammonia, toluene, radiation chemistry, isotope

ABSTRACT: The reactivity of the different positions of the aromatic ring of pyridine, quinoline, acridine, and phenazine was studied in the deuterio-exchange reaction with the $\text{NH}_2^- + \text{NH}_3$ (liq.) solution. The rate constants, activation parameters, and kinetic isotope effects were determined. The kinetics of hydrogen exchange in toluene and α - and β -picoline with the solution were also studied. The findings were explained in terms of the carbanionic mechanism. The authors thank A. A. Samakhov and G. G. Gusev who directed the work on the synthesis of the majority of the most useful deuterio-compounds. Orig. art. has: 10 tables. [Based on authors' Eng. abst.] [JPRS: 35,397]

SUB CODE: 07, 18 / SUBM DATE: 19Jul64 / ORIG REF: 008 / OTH REF: 014

Card 1/1 82

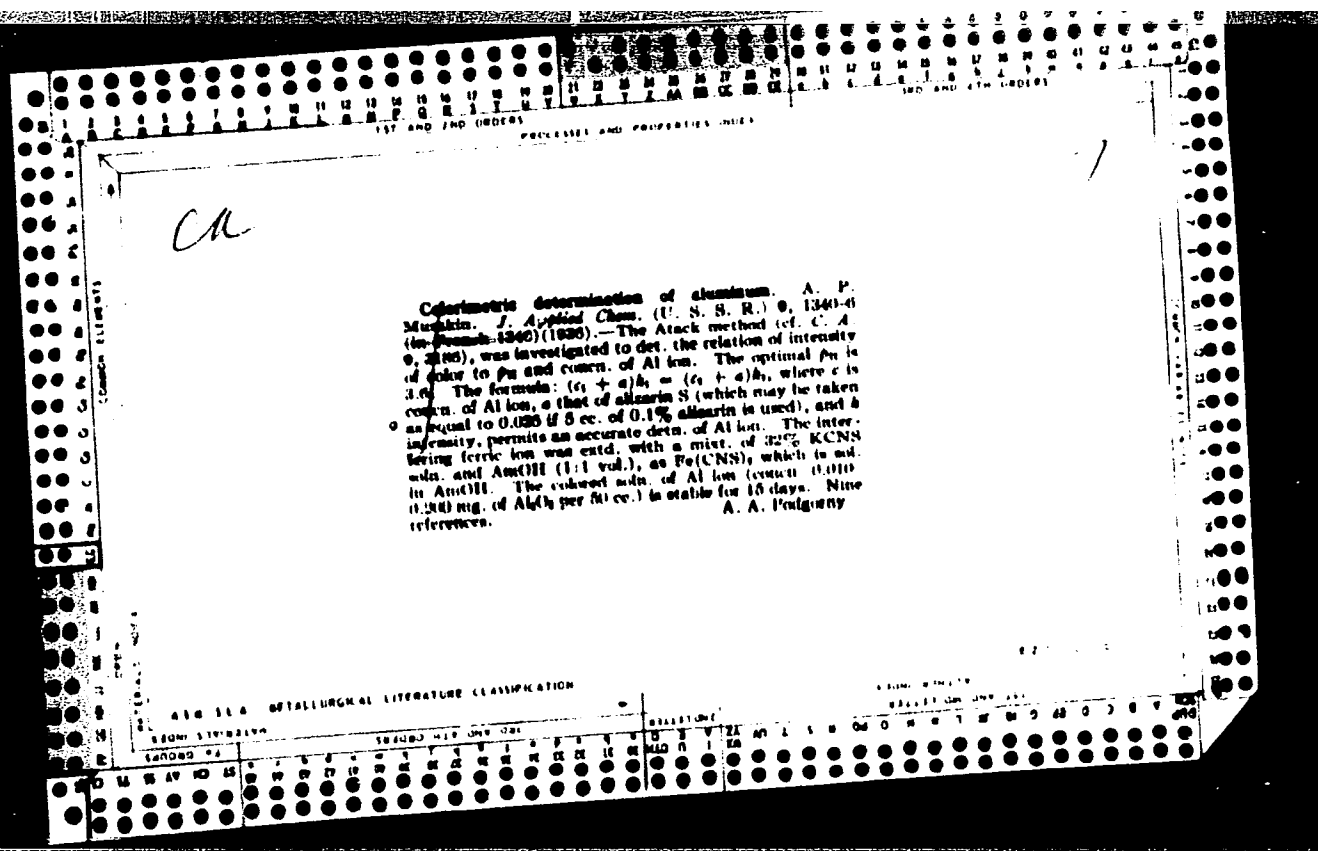
1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									
PROCESSES AND PROPERTIES INDEX																			
 Preparation of an active palladium catalyst for industrial purposes. B. V. ALEX- ANDERSON, A. P. MUMARIN AND I. D. MARAROV. <i>Zhur. Prikladn. Khim.</i> 3, 863 6(1950); cf. C. A. 24, 2246. — Asbestos cloth soaked for 12-15 hrs in a soln. of PdCl₂ in a 2N HCl soln. is dried on the water bath and reduced for 12 hrs in an elec. furnace in an atm. of H₂ and with moist HCHO, then cooled in the presence of H₂ and washed first with hot distd. water and then for 12 hrs. in cold water. Washing with water is highly important in activating the catalyst. Expts. show that the initial reaction velocity is always very slow, particularly if little Pd is deposited on the cloth. With 0.5% or less Pd by wt. the catalyst must be heated. The best results are obtained with 8% Pd, but in com. prac- tice 2% Pd is the economic limit. Porous asbestos cloth should be used. V. K.																			
ASS. S. L. A. METALLURGICAL LITERATURE CLASSIFICATION																			



Colorimetric determination of aluminum with alizarin red S. A. P. Muskhin. *Zhurnal Khim. Anal.* 1965, 40, 1041. Supplementing the studies of Vos and Hill (A 22, 1290) and Saychenko (A 1 20, 5943) of the factors affecting the results of colorimetric detn. of Al with alizarin red S (I) by the Arack method (A 1 9, 1180), Al shows that the results are often inaccurate, because the H ion concn. of the soln influences the color effect of I. The detns. must be made at pH 4.5 without an excess of HCl, NH₄Cl, NH₄OH or AcOH and without the use of citric acid. The colorimetric titration should be made with neutral standard solns. and without an excess of NH₄Cl. To a neutral or faintly acid Al soln. (contg. 0.05 mg. Al), add 5 cc. of 0.05% I and 5 cc. of a satd. NaCl soln., and then dropwise a N NH₄OH (freshly redist.) until the first change of color and dil. to 50 cc. Prep. a soln. contg. the same quantities of I, HCl, NH₄OH and NaCl, titrate with a standard Al soln. to a tint similar to the first soln., dil. to 50 cc. and after 5 min. acidify carefully the 2 solns. with equal amts. of AcOH, dil. if necessary, and compare the 2 solns. in the colorim.

Chas. Blanc

Effect of certain physical and chemical factors on the activity of charcoal. V. Effect of treating charcoal with aqueous nitrates and oxidizing salts on its adsorptive and catalytic activity. E. V. Aleksarevskii and A. P. Mumin. *J. Gen. Chem. (U. S. S. R.)* 4, 609-78 (1934). *Tr. O. A.* 27, 1702. — Highly active C is obtained by soaking ordinary wood C in aq. nitrates, $ZnCl_2$ or $KMnO_4$, and then soaking with aq. HNO_3 . The adsorptive capacity decreases in the order $KMnO_4$, $ZnCl_2$, $AgNO_3$, Schwitzer's reagent, $Cu(NO_3)_2$, $Al(NO_3)_3$, $Fe(NO_3)_3$, $Nb(NO_3)_5$, NH_4NO_3 , KNO_3 , $KClO_3$, untreated C. The catalytic activity of the C in the reaction of decomp. of H_2O_2 varies inversely with the adsorptive capacity. B. C. A.



1ST AND 2ND COLUMNS										3RD AND 4TH COLUMNS									
PROCESSES AND PROPERTIES INDEX																			
MUSAKIN A P																			
COLORIMETRIC DETERMINATION OF ALUMINIUM WITH ALUMINON . A. P. MUSAKIN (ZAVONKIN, DAB.), 1940, 9, 507-512; C. Abs., 1940, 24, 72099 (In Russian) A study was made of the effects of pH, concentration of Al^{+++} concentration and quality of aluminon, time, and presence of other ions on the intensity of coloration obtained by the interaction of Al^{+++} with aluminon. The following method is suggested: To a neutral solution containing up to 100, Al^{+++} which had been freed from Fe^{+++} By double treatment with 30% $HSCN$ 1 and amyl alcohol 1 ml., add 20 ml. of a buffer solution of 5.5 pH containing in 1 litre Na)Ac 175 and HCl 26 mg. Equivalents. Then add 2 ml. of 0.1% aluminon solution kept for several days in the dark, dilute to 22 ml., allow to stand for 1 hr. or preferably overnight, and compare with a standard prepared under identical conditions. The results are calculated from an experimentally determined curve showing the intensity of coloration as a function of the concentration.																			
ASTM 5.4 METALLURGICAL LITERATURE CLASSIFICATION																			